Jyothi Sravanthi Somu

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Professional Summary

Aspiring Data Scientist with a strong foundation in machine learning and data analysis, along with proficiency in software development. Skilled in programming languages with hands-on experience in building predictive models and data-driven solutions through multiple projects. A quick learner with a team-oriented mindset, strong analytical skills, and a passion for developing innovative technological solutions to complex business challenges. Experienced in Agile environments and committed to continuous learning and professional growth.

Experience

Infosys SpringBoard Internship 5.0   *Feb 2025 - Mar 2025*

- Contributed to the development of a speech-enabled form filling website as part of a collaborative team project.
- Focused on frontend development using **HTML5, CSS3, and JavaScript** to create responsive and user-friendly interfaces.
- Designed and implemented interactive forms and user also have a chance to create their own form.
- Worked closely with the backend team to integrate **AssemblyAI** for real-time voice-to-text transcription.
- Deployed the project on **Vercel** for live demonstration and testing. *Website* ↗

Projects

Beyond QWERTY - AI-Powered Voice-Based Form Filling   *Repository* ↗

- Developed a **voice-controlled form-filling web application** using **WebSpeech API** for speech-to-text conversion.
- Designed a **responsive frontend** with **HTML, CSS, JS**, and integrated **speech recognition** for hands-free data entry.
- Implemented multiple form categories (**Education, Health etc.**) with real-time voice input functionality.
- Optimized **user experience** with **responsive design, accessibility features, and dynamic speech recognition feedback**.

Predictive Model for Movie Ratings   *Repository* ↗

- Built a **movie rating prediction model** using a **15,509-row dataset**, leveraging **genre, director, and cast** as key features.
- Utilized **Pandas, NumPy&Scikit-Learn** for data preprocessing, feature engineering, and model
- Developed model with **RF Regressor** .Conducted **EDA with Matplotlib and Seaborn**, achieving an **R² score of 0.388**.
- Optimized performance using **cross-validation&grid search**, incorporating additional features like **duration&categorical encodings**.

Skills

- **Programming Languages:** Java, Python, C, R, SQL, HTML, CSS, JavaScript
- **Data Science:** Data Analysis, Visualization
- **Libraries ,Tools & Platforms:** NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn,SciPy, MS Excel, MS Word
- **Soft Skills:** Analytical Thinking, Problem-Solving, Team Collaboration, Adaptability

Education

Aditya College of Engineering and Technology   *Oct 2022 – Apr 2026*

B.Tech in CSE-Data Science   **GPA:** 8.66

Certifications/Courses

Python Foundation - Quick Jump Start for Programmers , Infosys Springboard - March 14,2024
Databases and SQL for Data Science with Python - July 1,2024
Introduction to Agile Testing, Infosys Springboard - July 5, 2024
Artificial Intelligence Foundation Certification, Infosys Springboard - July 28, 2024
Introduction to Data Science, Infosys Springboard – July 31, 2024
Introduction to Machine Learning, NPTEL

Participations & Achievements

- Accenture North America Data Analytics and Visualization Job Simulation on Forage - March 2024
- J.P. Morgan Software Engineering Virtual Experience on Forage - May 2024
- Tata Cybersecurity Analyst Job Simulation on Forage - March 2024
- Tata Data Visualisation: Empowering Business with Effective Insights Job Simulation on Forage - May 2024
- Achieved Gold badge for Python , Java and SQL in Hackerrank.
- Participated in Infosys Springboard Pragati-Path to Future(Cohort-2) career development program.